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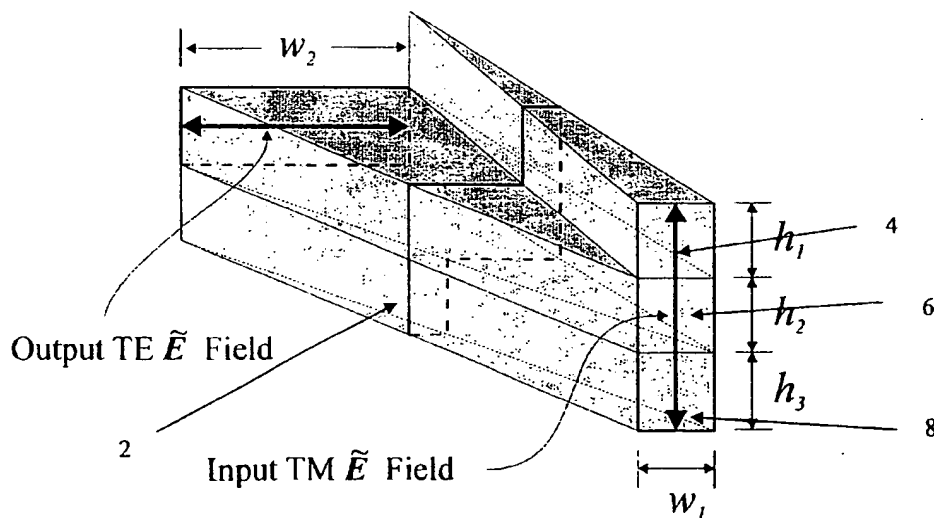
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(54) Title: AN INTEGRATED OPTIC POLARIZATION CONVERTER BASED ON STRUCTURAL CHIRALITY



(57) Abstract: An integrated optic polarization converter includes a plurality of core layers used to approximate a gradually twisted waveguide and therein adiabatically transform a propagating mode from an initial polarization state to a different final polarization state.

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A. CLASSIFICATION OF SUBJECT MATTER  
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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MIN-CHEOL OH ET AL: "SIMULATION OF POLARIZATION CONVERTER FORMED BY POLING-INDUCED POLYMER WAVEGUIDES" IEEE JOURNAL OF QUANTUM ELECTRONICS, IEEE INC. NEW YORK, US, vol. 31, no. 9, 1 September 1995 (1995-09-01), pages 1698-1704, XP000526179 ISSN: 0018-9197 the whole document	1, 4-6, 8, 11-13
A	US 4 998 793 A (HENRY CHARLES H ET AL) 12 March 1991 (1991-03-12) the whole document	1-14
A	US 5 225 797 A (LEE CHARLES A ET AL) 6 July 1993 (1993-07-06) the whole document	1-14
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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 418 867 A (VAN DER TOL JOHANNES J G M) 23 May 1995 (1995-05-23) the whole document</p> <p>-----</p>	1-14

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Information on patent family members

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